

DIP METAL ALLOY POWER INDUCTORS (LM-XXX SERIES)

trio



LM
03

● PART NUMBERING

LM - □□□ □ □□ □ □□
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Inductance
- (3) Tolerance
- (4) Dimension
- (5) Material
- (6) Internal Serial No.

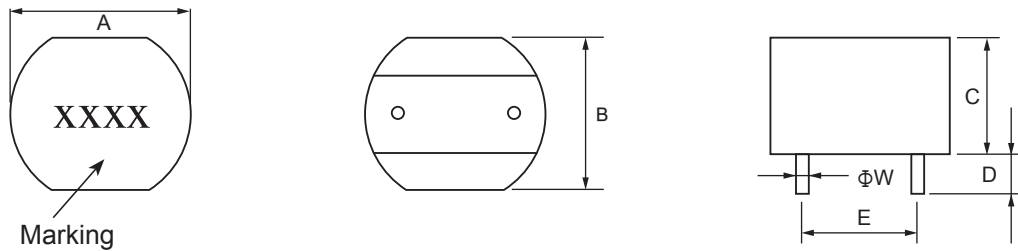
● FEATURES

- Molding type with metal alloy powder construction.
- Large current and shielded design.
- Low DC resistance and low copper loss.
- Ultra low buzz noise.

● APPLICATIONS

- Personal computers & Servers
- VGA cards
- DC/DC converters
- VRMs

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	Wφ
LM-061	15.5±0.5	13.0±0.5	10.5 Max.	3.4±0.5	10.0	1.0~2.0

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μH)	DCR (Ω, Max.)		Isat (A, Max.)	Irms (A, Max.)
			Typ.	Max.		
LM-47B□061□□	MFG1511-R47□	0.47	0.0006	0.0009	75	40
LM-60B□061□□	MFG1511-R60□	0.6	0.0008	0.0012	65	35
LM-10A□061□□	MFG1511-1R0□	1.0	0.0012	0.0016	55	30
LM-12A□061□□	MFG1511-1R2□	1.2	0.0013	0.0018	50	28
LM-16A□061□□	MFG1511-1R6□	1.6	0.0017	0.0022	40	25
LM-20A□061□□	MFG1511-2R0□	2.0	0.0021	0.0027	36	23

- All test data is referenced at 25°C ambient
- Inductance test frequency at 100KHz, 1Vrms.
- ΔT= 40°C approximately at Irms.
- Inductance drops approximately 20% at Isat.
- Operating temperature range: -55°C to +150°C

Customers' designs and requirements are welcome.